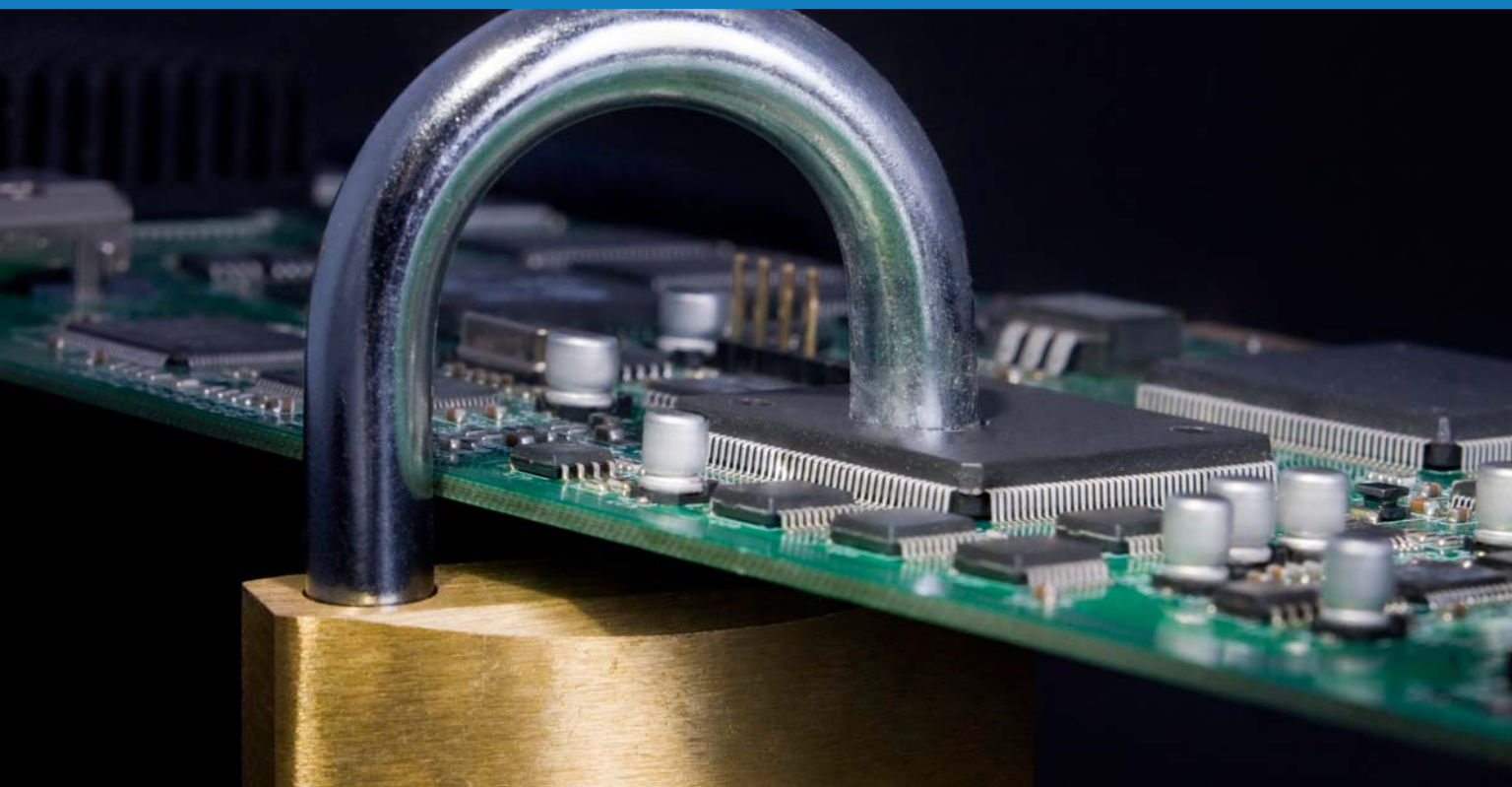




## Secure KVM Solutions

For Your Multi-Classification Applications





## Secure KVM Switching Solutions for Your Multi-Classification Applications



Understanding the requirements of a multi-classification environment is essential in providing the right solution. Avocent KVM secure switching solutions are custom designed to support multi-classification secure applications. Your data will not be compromised.

You can safely switch between as many as eight computers operating at different classification levels, all from one keyboard, monitor and mouse. The Avocent SwitchView® SC KVM switches have been approved under National Information Assurance Partnership (NIAP) Common Criteria to EAL 4+.

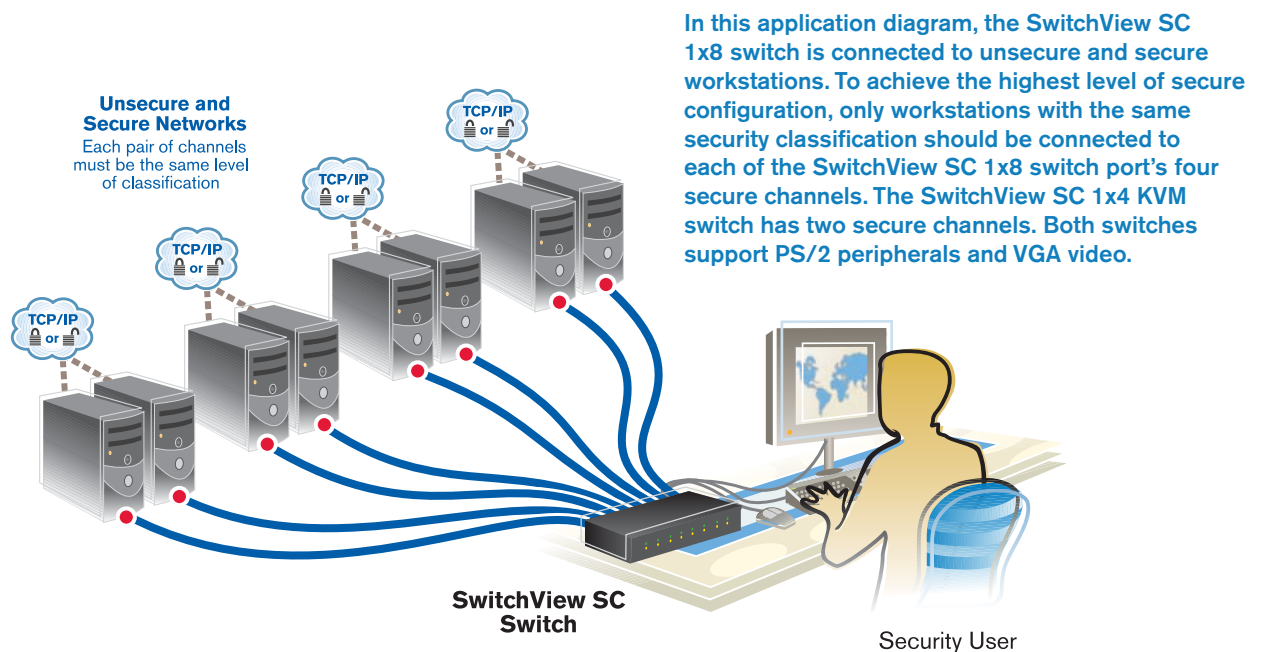


U.S. Navy Photo

## SwitchView SC switches

**Requirement:** A government analyst with multiple workstations needs to consolidate the workstations with a keyboard, mouse and up to two monitors. Each workstation has a different security classification and matching network connection (unclassified, secret, etc.).

**Avocent Solution:** The NIAP certified SwitchView SC switch technology makes it impossible to transfer data between the connected computers. Separate I/O processors control KVM switching and access to computers – an important factor for a user who may access secure and non-secure networks from one point of contact.



# Secure Desktop Switching for USB Applications

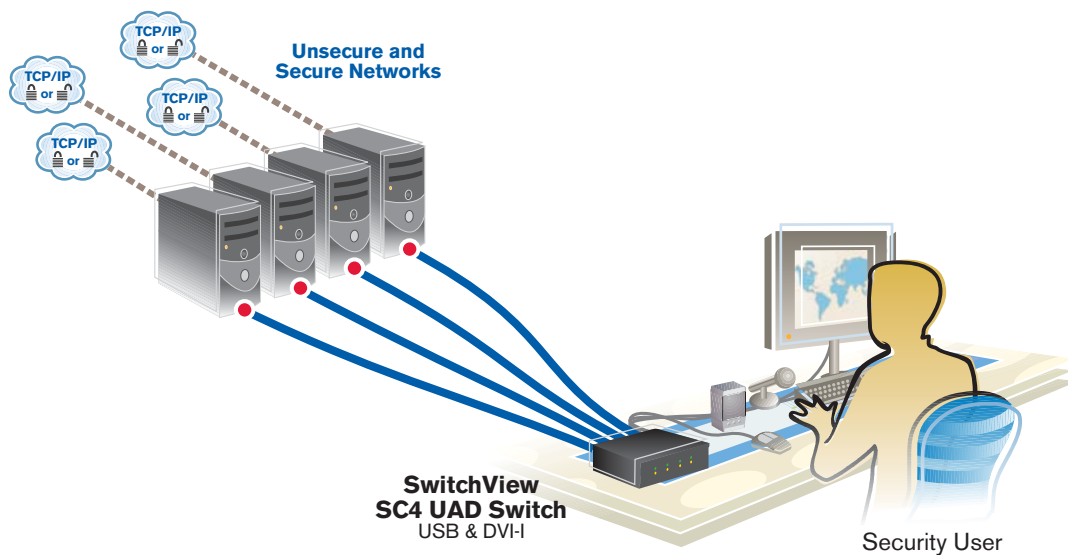


## The SwitchView SC4 UAD KVM switch

**Requirement:** A government analyst needs secure support for multiple workstations that support USB-only applications, DVI-I video, speakers and a microphone.

**Avocent Solution:** The SwitchView SC4 UAD KVM switch includes four fully secure channels isolated to 60dB. The switch supports USB peripherals (keyboard and mouse only), audio peripherals and DVI-I video for resolution up to 1920x1200 @ 60Hz.

The SwitchView SC4 UAD switch supports DVI-I video interfaces for analog or digital applications, USB keyboard and mouse peripherals, and audio peripherals as shown in this application diagram.

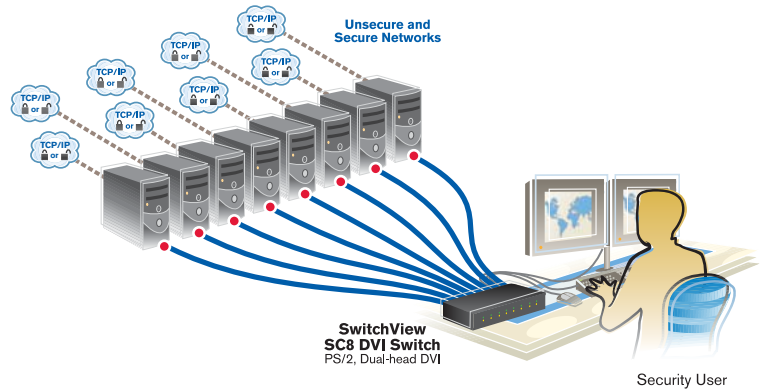


# Secure Desktop Switching for High Resolution Applications

## The SwitchView SC8 DVI KVM Switch

**Requirement:** A government analyst with multiple high resolution dual DVI video workstations needs to consolidate the workstations with a keyboard, mouse and two monitors.

**Avocent Solution:** The NIAP certified SwitchView SC8 DVI KVM switch includes eight fully secure channels isolated to 60dB. Each channel supports dual-head, dual-link DVI-I video connections and provides the highest video resolution available in a secure KVM switch: 2560x1600 @ 60Hz.



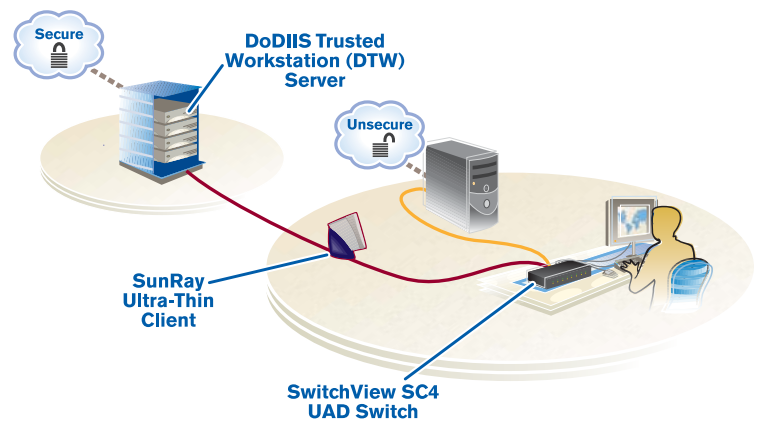
This diagram reflects how the SwitchView SC8 DVI switch supports dual-head digital and analog video applications. The DVI video lets you view multiple applications with crisp, clear resolution.

# Secure Desktop Switching for DoDIIS Trusted Workstation Applications

## The SwitchView SC4 UAD KVM Switch

**Requirement:** A government analyst needs to consolidate a DoDIIS Trusted Workstation (DTW) and a separate unsecure workstation with one keyboard, mouse and monitor. The DTW consists of a Sun® Microsystems Trusted Solaris™ Server running the Sun Ray™ Session Server software and delivers the user applications to the desktop through a Sun Ray Ultra-Thin Client. The DTW gives the analyst access to multiple secure networks (data, home directories, applications) of varying classifications from a single desktop and is a client/server-based architecture.

**Avocent Solution:** The SwitchView SC4 UAD KVM switch includes four fully secure channels isolated to 60dB. Each channel supports USB peripherals (keyboard and mouse only), DVI-I video for resolution up to 1920x1200 @ 60Hz and audio peripherals.



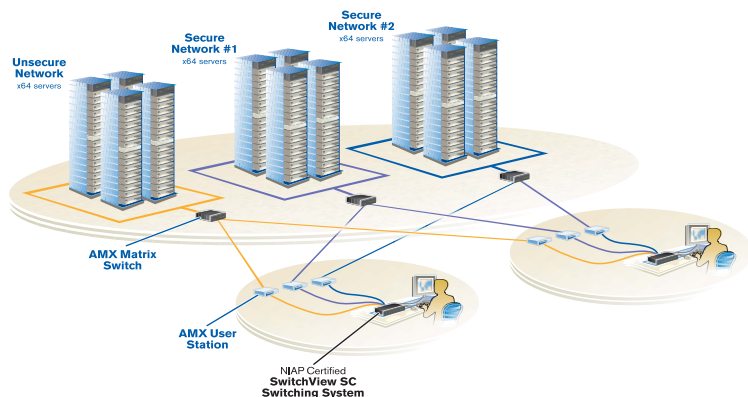
In this diagram, the SwitchView SC4 UAD switch supports the DoDIIS Trusted Workstation and the secondary unsecure workstation with a DVI-I interface, USB keyboard and mouse, and audio peripherals.

# Secure Matrix Switching Applications

## The SwitchView SC Switch and AMX Matrix Switch

**Requirement:** A government analyst requires access to multiple targets within the same classification network and access to multiple target devices that are connected to different classification networks. This application also allows target devices to be located in a secure data center or multiple data centers where the various classification networks can be kept separate.

**Avocent Solution:** The SwitchView SC switching system combined with the Avocent AMX® matrix switch provides you with secure access to three separate networks of varying classification levels. Each network user will have three AMX user stations at the desktop connected with a SwitchView SC switch to ensure data integrity between the networks.

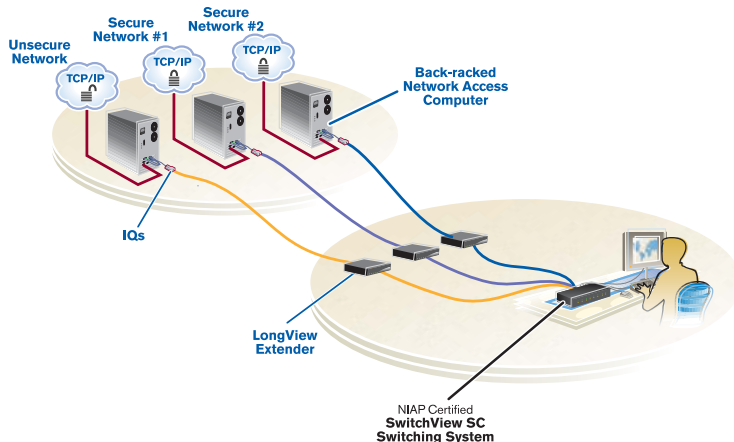


# Secure Back-Racking Applications

## The SwitchView SC Switch and LongView Extender

**Requirement:** A government agency requires an extra layer of security by removing the user's physical access to the workstations.

**Avocent Solution:** The SwitchView SC switches combined with Avocent LongView® Extenders allow a user to sit at their desktop and access back-racked computers.



# Avocent Desktop KVM Switching Solutions Designed for Secure Environments

## SwitchView SC 1x4 and 1x8 KVM Switches

1 user, 4 or 8-port KVM switch

- Supports PS/2 peripherals
- VGA video
- 2 secure channels
- Part Numbers 10040-SC, 10080SC-AM

## SwitchView SC4 DVI and SC8 DVI KVM Switches

1 user, 4 or 8-port KVM switch

- Supports PS/2 peripherals
- SC4 DVI: Single link DVI-I video (DVI or VGA with resolution up to 1920x1200 @ 60Hz)
- SC8 DVI: Dual head, dual link DVI-I video (DVI or VGA with resolution up to 2560x1600 @ 60Hz)
- 4 or 8 secure channels, each isolated to 60 dB separation
- Part Numbers SC4PDV, SC8PDV

## SwitchView SC4 UAD KVM Switch

1 user, 4-port KVM switch

- Supports USB peripherals
- DVI-I video (DVI or VGA with resolution up to 1920x1200 @ 60Hz)
- Audio support
- 4 secure channels, each isolated to 60 dB separation
- Part Numbers SC4UAD

## SwitchView SC100 and SC200 Series KVM Switches

1 user, 2, 4 or 8-port KVM switch

- Supports USB and/or PS/2 peripherals
- VGA video (resolution up to 2048x1536 @ 85Hz)
- Advanced software and hardware security
- USB Common Access Card (CAC) reader support (SC200 series only)
- 2, 4 or 8 secure channels
- Part Numbers SC120, SC140, SC180

## SwitchView SC400 and SC500 Series KVM Switches

1 user, 2 or 4-port KVM switch

- Supports USB peripherals
- SC400 series: Dual link DVI-I video (DVI or VGA with resolution up to 2560x1600 @ 60Hz)
- SC500 series: Dual head, dual link DVI-I video (DVI or VGA with resolution up to 2560x1600 @ 60 Hz)
- Audio support
- Advanced software and hardware security
- USB Common Access Card (CAC) reader support
- 2 or 4 secure channels
- Part Numbers SC420, SC440, SC540

Cables sold separately.



## About Avocent

Avocent is a leading global provider of IT infrastructure management solutions for enterprise data centers, small/medium businesses and remote offices. Our unique integration of hardware, software and embedded technologies provides a single interface to quickly and efficiently manage your IT infrastructure. We help you solve system problems anytime, anywhere, no matter the location or health of your servers or network devices.



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